

---

 $^{11}\text{B}({}^6\text{Li}, {}^6\text{Li}), ({}^7\text{Li}, {}^7\text{Li})$     **1987Co02**

---

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu		NP A880, 88 (2012)	1-Jan-2011

**1972Ba52:**  ${}^{11}\text{B}({}^6\text{Li}, {}^6\text{Li})$ , E=28 MeV, measured  $\sigma(\theta)$ . Deduced optical potentials.

**1987Co02, 1987Co16:**  ${}^{11}\text{B}({}^7\text{Li}, {}^7\text{Li}), ({}^7\text{Li}, {}^7\text{Li}')$ , E=34 MeV, measured  $\sigma(E({}^7\text{Li}))$ ,  $\sigma(\theta)$ .  ${}^{11}\text{B}$  levels deduced excitation mechanism.

**2005Ru17, 2005Ru18, 2007Ru13:**  ${}^{11}\text{B}({}^7\text{Li}, {}^7\text{Li}), ({}^7\text{Li}, {}^7\text{Li}')$ , E=34 MeV, analyzed  $\sigma(E, \theta)$ , deduced optical model parameters.  ${}^{11}\text{B}$  deduced deformation parameters.

---

 $^{11}\text{B}$  Levels

---

E(level)	Comments
0	
$2.12 \times 10^3$	E(level): from ${}^7\text{Li} + {}^{11}\text{B}$ : ( <a href="#">1987Co02, 2005Ru18</a> ).
$4.44 \times 10^3$	E(level): from ${}^7\text{Li} + {}^{11}\text{B}$ : ( <a href="#">1987Co02, 2005Ru18</a> ).
$5.02 \times 10^3$	E(level): from ${}^7\text{Li} + {}^{11}\text{B}$ : ( <a href="#">1987Co02, 2005Ru18</a> ).
$6.74 \times 10^3$	E(level): from ${}^7\text{Li} + {}^{11}\text{B}$ : ( <a href="#">1987Co02, 2005Ru18</a> ).
$7.29 \times 10^3$	E(level): from ${}^7\text{Li} + {}^{11}\text{B}$ : ( <a href="#">1987Co02, 2005Ru18</a> ).
$7.98 \times 10^3$	E(level): from ${}^7\text{Li} + {}^{11}\text{B}$ : ( <a href="#">2005Ru18</a> ).
$8.56 \times 10^3$	E(level): from ${}^7\text{Li} + {}^{11}\text{B}$ : ( <a href="#">2005Ru18</a> ).
$8.92 \times 10^3$	E(level): from ${}^7\text{Li} + {}^{11}\text{B}$ : ( <a href="#">1987Co02, 2005Ru18</a> ).